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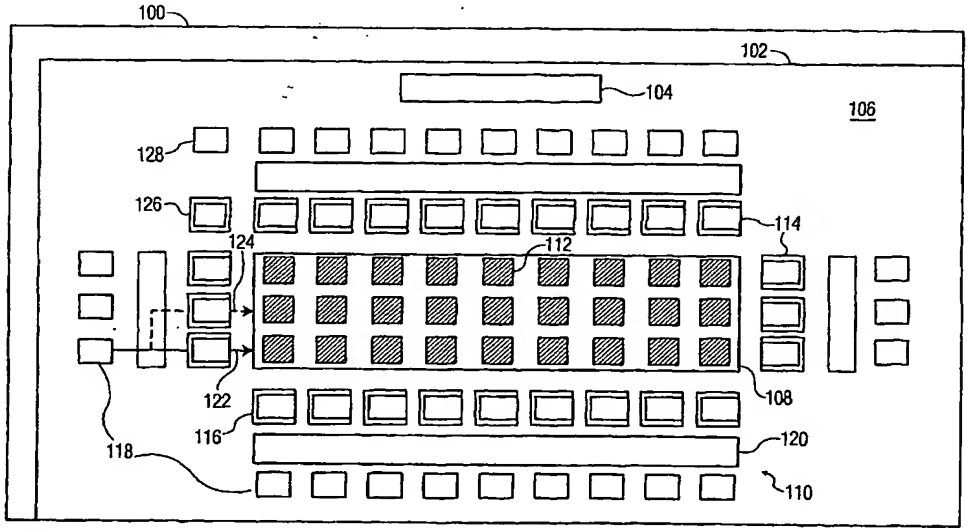
(54) Title: DATAFLOW-SYNCHRONIZED EMBEDDED FIELD PROGRAMMABLE PROCESSOR ARRAY



(57) Abstract: An embedded field programmable processor includes a two-dimensional array of processing cells for performing mathematical operations whose timing depends on the inflow of operands. An array interface reconfigurably connects paths for the inflow to respective cells on the array periphery. The array is preferably of the systolic type and is preferably implemented with nearest neighbor inter-cell connections.

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